MULTI-BAND RADIO-CONTROLLED TRAVEL ALARM CLOCK
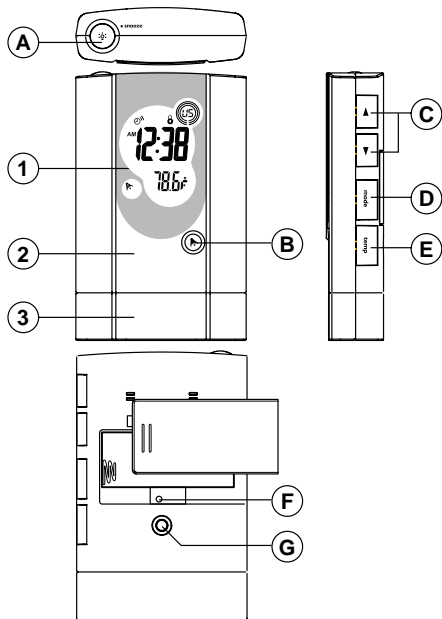
MODEL: RMB383A
USER'S MANUAL

Congratulations on your purchasing the RMB383A Multi-Band Radio-controlled Travel Alarm Clock.

Innovative in design and features, this unit is a unique radio-controlled travel clock which can receive the clock radio signal from Frankfurt-Germany, Colorado-USA, Rugby-England, Fukushima-East-Japan and Kyushu-West-Japan by one device. Simply plug in the exchangeable antenna for your location - without any setting you can travel the world with this radio-controlled clock and know the accurate time and date immediately. The effective reception range is around 1,500km radius from the selected signal.

The unit also comes with other great features such as indoor temperature display, EL back-light, dual time and calendar, dual daily alarm with 8-minute snooze function, hourly chime and key-lock function.

MAIN FEATURES

1. **LCD DISPLAY**

2. **MAIN UNIT**

3. **PLUGGED-IN ANTENNA**

CONTROL BUTTONS

A. [SNOOZE ☼] BUTTON

Press to activate the snooze function or turn on the back-light for 5 seconds

B. [▶] BUTTON

Press to toggle between the 2 daily alarms or press and hold to enter the setting routine

C. [▲] AND [▼] BUTTONS

Press to change the value of a setting

D. [MODE] BUTTON

Press to change the display mode or press and hold to enter the setting routine

E. [TEMP] BUTTON

Press to display the indoor temperature or press and hold to change the temperature display unit

F. [RESET] BUTTON

Press to return all settings to default values
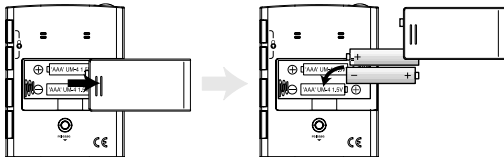
G. [RELEASE] PUSH BUTTON

Press to release the plugged-in antenna

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BATTERY INSTALLATION

This unit is operated by 2 pieces of UM-4 or AAA-sized 1.5V batteries.

Battery Installation:

1. Remove the battery compartment door.
2. Insert two AAA-sized (UM-4) 1.5V batteries as shown.
3. Press **[RESET]** .
4. Replace the battery compartment door.

Note: Make sure the polarities are correct.

When the power level of the installed batteries is low, the low battery indicator **[⇏]** will light up. In this case, replace with new batteries.
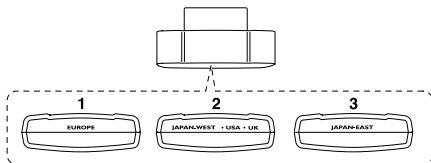
ANTENNA SELECTION

To utilize the radio-controlled clock function, first you must select an antenna to be applied.
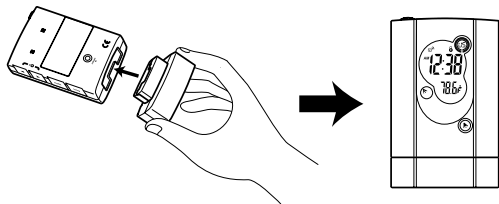
The following antennas are included in the package:

1. EUROPE (DCF-77 signal)

2. JAPAN-WEST/ USA/ UK (JJY-60/ WWVB-60/ MSF-60 signal)

3. JAPAN-EAST (JJY-40 signal)

Simply plug in the antenna as shown and the auto-reception of the radio signal will be activated automatically.

The respective icon for the plugged in antenna will be shown on the top-right corner of the LCD display accordingly.
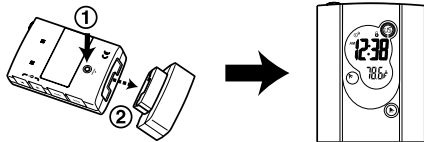
3

ANTENNA	DISPLAYED ICONS
EUROPE	EU
JAPAN-WEST/ USA/ UK	JW/ US/ UK
JAPAN-EAST	JE

For the **JAPAN-WEST/USA/UK** antenna, follow the steps below to pick up one of the three signals.

1. Plug in this antenna as instructed and the icon display will be flashing. This unit is able to store the last used signal (e.g. if the UK antenna was the last one used, after re-plugging in the antenna, the ⑂ icon will be displayed first).
2. Use **[▲]** or **[▼]** to select between the 3 signals.
3. Press **[MODE]** to confirm or simply leave it idle for 1 minute. The entry will be confirmed and auto-reception will be activated accordingly. The radio-reception icon will be flashing.
4. If the US signal is chosen, the ZONE icon will appear. Press **[MODE]** then use **[▲]** or **[▼]** to toggle among the 4 US time-zones: Pacific (P), Mountains (M), Central (C) or Eastern (E).
5. Press **[MODE]** to confirm or simply leave it idle for 1 minute. The entry will be confirmed and auto-reception will be activated accordingly. The radio-reception icon will be flashing.

Without plugging-in the antenna, the main unit can be used alone and act as a multi-functional digital clock.

To unplug the antenna, simply press the **[RELEASE]** button and then pull out the antenna.

HOW TO ACTIVATE THE BACK-LIGHT

Press **[SNOOZE ☀]** to turn on the back-light for 5 seconds.

Note:
- The EL panel that provides illumination will lose power after extensive usage.
- The unit may emit a quiet hissing sound whenever the display is illuminated by the EL backlight. This is due to vibration of the EL panel used for illumination and does not indicate malfunction of the unit.

DISPLAY MODES

Press **[MODE]** to display the following in sequence:

1) Current Time
   Calendar

2) Current Time with Second Indication
   Calendar

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3) Current Time
   2ⁿᵈ zone-time

4) 2ⁿᵈ zone-time
   2ⁿᵈ zone-time Calendar

To display the alarm clock and details, press **[ALARM]**. The alarm time will appear in the lower line of the display. Press **[TEMP]** to display the indoor temperature.

ABOUT RADIO RECEPTION

When the unit is within range of its respective radio signal, the radio control mechanism will override all manual settings unless radio reception has been deactivated.

After battery installation (with the antenna plugged in), the unit will start to search for a radio signal automatically. When it is receiving radio signal, the radio-reception icon will start to blink. A complete reception generally takes about 2 to 10 minutes, depending on the strength of the radio signal.

The antenna icon indicates the quality of reception.

		ᵤ5	
Strong	Weak	No Reception	Receiving

When the reception is complete, the radio-reception icon will appear as **[O]** and the received radio-controlled time will be displayed accordingly.

Interference

Reception can be affected by a number of factors. For best reception, place the device away from metal objects and electrical appliances.

Note: Interference from sources such as TV sets can affect the signal. If, after batteries have been inserted for ten minutes, the signal is not received, then set the time manually (see section: How To Set The Clock & Calendar Manually).
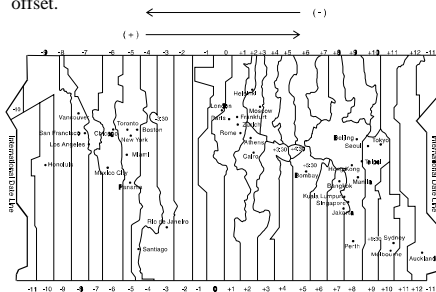
HOW TO ENABLE OR DISABLE AUTO-RECEPTION

If you wish to disable the auto reception of a radio signal when the unit is within range of a transmitter, simply unplug the antenna or press and hold **[▼]** for 3 seconds. The radio-reception icon will disappear and the unit will NOT respond to radio signals.

To enable the feature again, plug in the antenna again or press and hold **[▲]** for 3 seconds to force signal reception. The radio-reception icon will be shown again and it will start blinking to initiate reception automatically.

HOW TO SET THE CLOCK & CALENDAR MANUALLY

1. Press and hold **[MODE]** for 2 seconds.

2. Enter the 2ⁿᵈ time-zone offset hour using **[▲]** / **[▼]**. You can select between + 23 and - 23 hours. Hold down either button to rapidly increase or decrease the value. Press **[MODE]** .

Time zone setting allows you to display hours for many other cities , e.g. if the unit is at San Francisco (-8 GMT) and you want to know Hong Kong (+8 GMT) hour you should set 16 as offset.

3. Enter the clock format using **[▲]** / **[▼]**. You can select 12-hour or 24-hour display.

4. Press **[MODE]** .

5. Enter the hours using **[▲]** / **[▼]**.

6. Press **[MODE]** .

7. Enter the minutes using **[▲]** / **[▼]**.

8. Press **[MODE]** .

9. Follow the same pattern to set the year, date format (month-day or day-month), month and day.

10. Press **[MODE]** button to save the changes and exit.

11. Press **[MODE]** button right after (within one minute) to set the hourly chime on/off function. Use **[▲]** / **[▼]** to activate deactivate this function.

12. Press **[MODE]** buttonto confirm.

Note: The unit will also save all changes and return to normal display automatically after the unit has been left idle for a minute.

ABOUT THE HOURLY-CHIME FUNCTION

When the Hourly-Chime is set to the on-mode, the indicator **[☼]** will light up and a beep sound as a reminder will be given out at the beginning of each hour.

To enable/ disable this function, please refer to Section "How to set the clock and calendar manually".

ABOUT THE ALARM

This unit is equipped with 2 daily alarm functions.

To set the alarm,

1. Press **[⏰]** to change to the alarm-time display mode.

2. Press **[⏰]** again to select **ALARM-1** or **ALARM-2**.

3. Press and hold **[⏰]** for 2 seconds.

4. Use **[▲]** / **[▼]** to enter the hours.

5. Press **[⏰]**.

6. Use**[▲]** / **[▼]** to enter the minutes.

7. Press **[⏰]**.

The alarm will be automatically activated. The **[⏰]** or **[⏰]** icon will appear. To deactivate the alarm, press **[▲]** / **[▼]** when the alarm time is displayed.

HOW TO USE THE DAILY ALARM

An alarm will go off for 2 minutes in two stepped crescendo patterns if not cancelled. The **[ ]** icon will flash and the back-light will be activated for 5 seconds. To mute the alarm, press any key. Pressing **[SNOOZE]** will activate the snooze function.

SNOOZE FUNCTION

When the snooze function is activated, the alarm will be muted temporarily and set off again after 8 minutes. To disable the snooze function, press any key (except **[SNOOZE]**) when the alarm goes off. Alternatively you can press and hold **[SNOOZE]** for 3 seconds when the snooze function is on.

INDOOR TEMPERATURE DISPLAY

This unit is capable of measuring the indoor temperature within a range of -5°C to +50°C (23°F to 122°F).

To display the temperature, press **[TEMP]**. To change the temperature display unit, press and hold **[TEMP]** for 2 seconds to toggle between degree Celsius (°C) or degree Fahrenheit (°F).

If the temperature goes below or above the range measured, the display will show "LLL" or "HHH" respectively.

KEY-LOCK FUNCTION

To lock all key operations when travelling, press and hold both **[▲]** and **[▼]** buttons for 2 seconds. The key-lock icon **[ ]** will appear and all key functions (except **[RESET]**) will be locked.
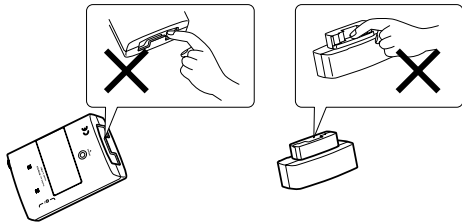
To unlock, press and hold both **[▲]** and **[▼]** again for 2 seconds. The key-lock icon **[ ]** will disappear.

THE RESET BUTTON

The **[RESET]** button is used to reactivate synchronization of signals after battery replacement or when the unit is malfunctioning. Use a blunt stylus to hold down the button. All settings will return to their default values.

NOTES ON ANTENNA

Warning: Do not touch the inner parts of the main unit and/or the antenna as this may damage or cause malfunction to this device.

PRECAUTIONS

This unit is engineered to give you years of satisfactory service if you handle it carefully. Here are a few precautions.

1. Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.

2. Do not clean the unit with any liquid containing alcohol, detergent, abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuit.

3. Do not subject the unit to excessive force, shock, dust, temperature or humidity, which may result in malfunction, shorter electronic life span, damaged battery and distorted parts.

4. Do not tamper with the unit's internal components. Doing so will invalidate the warranty on the unit and may cause unnecessary damage. The unit contains no user-serviceable parts.

5. Only use fresh batteries as specified in the user's instructions. Do not mix new and old batteries as the old ones may leak.

6. Always read the user's instructions thoroughly before operating the unit.

SPECIFICATIONS

Radio Control	: Auto Synchronization of current time and date
Calendar	: Month / Day or Day / Month format
Clock Time	: 12 / 24-hour format
Dual Alarm	: 2-minute crescendo alarm with 8-minute snooze function

Indoor Temperature Measuring Range	: -5°C to +50°C (23°F to 122°F)
Resolution	: 0.1°C (0.2°F)
Power	: 2 pcs of UM-4 or AAA-size 1.5V batteries
Weight	: 200 g (without battery)
Dimensions (mm) :	
- main unit	: 80.8 x 62.6 x 21.1 mm (H x W x D)
- antenna	: 29.4 x 62.6 x 20.2 mm (H x W x D)

Includes carrying Pouch

CUSTOMER ASSISTANCE

Should you require assistance regarding this product and its operation, please contact our customer care department at 1-800-853-8883 or via email at helpme@oscientific.com.

WARRANTY

This product is warranted to be free of manufacturing defects for a period of 3 months from date of retail purchase. Defective product should be directed to the place of retail purchase for exchange. Should this not be possible, contact our customer care department for assistance and a return material authorization. No returns may be made without a return authorization. Warranty exchanges require proof of date of purchase (purchase receipt showing date, place and product purchased).

This warranty does not cover product subjected to abuse, misuse, accidental damage or tampering.

CAUTION

- The content of this manual and technical specification are subject to change without further notice.
- Due to printing limitation, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.